

PTO/SB/08a/b (08-03)
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Sul	ostitute for form 1449A/B/PT	о		Complete if Known		
				Application Number	10/562,225 - Conf. #9451	
	NFORMATION	1 DI	SCLOSURE	Filing Date	December 23, 2005	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	David Hildebrand	
				Art Unit	1638	
	(Use as many she	ets as	necess ary)	Examiner Name	David H. Kruse	
Sheet	1	of	3	Attorney Docket Number	47100-222154	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	A1	5,378,825	01-03-1995	Cook et al.			
	A2	5,935,835	08-10-1999	Marshall et al.			
	А3	2003-0024014	01-30-2003	Cheng et al.			
	A4	5,084,082	01-28-1992	Sebastian			

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FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author ( in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Arnold, L.D., R.G. May and J.C. Vederas. 1988. Synthesis of optically pure α-amino acids via salts of α-amino-β-propiolactone. J. Am. Chem. Soc. 110: 2237-2241.	
	C2	Boy, E., Borne, F. and Patte, J.C. (1979). Isolation and identification of mutants constitutive for aspartate kinase III synthesis in Escherichia coli K12. Biochemie 61: 1151-1160.	
	C3	Bright, S.W.J. and P.R. Shewry. 1983. Improvement of protein quality in cereals. CRC Crit. Rev. Plant Sci. 1: 49-93.	
	C4	Cohen, C.N. and I Saint-Girons. 1987. Biosynthesis of threonine, lysine and methionine. In: F.C. Neidhardt, ed., Escherichia coli and Salmonella typhimurium: Cellular and Molecular Biology. Amer. Soc. Microbiol., Washington, D.C. pp 429-444.	
	C5	Ghislain, M., V. Frankard and M. Jacobs. 1995. A dinucleotide mutation in dihydrodipicolinate synthase of Nicotiana sylvestris leads to lysine overproduction. The Plant J. 8: 733-743.	
	C6	Jacobs, M., Negrutiu, I., Dirks, R. and Cammaerts, D. (1987). Selection programs for isolation and analysis of mutants in plant cell cultures. In: Green C.E., Somers D.A., Hackett W.P. Biesboer DD (eds) Plant Blology. vol. 3: plant tissue and cell culture. Alan R. Liss, New York pp 243-264.	

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1	NFORMATION	N DI	SCLOSURE	Filing Date	December 23, 2005	
9	STATEMENT I	3Y /	APPLICANT	First Named Inventor	David Hildebrand	
				Art Unit	1638	
	(Use as many sh	e ets as	necess ary)	Examiner Name	David H. Kruse	
Sheet	2	of	3	Attorney Docket Number	47100-222154	

C7	Perl A, Galili S, Shaul O, Ben-Tzvi I, Galili G (1993) Bacterial dihydrodipicolinate synthase and desensitized aspartate kinase: Two novel selectable markers for plant transformation. Bio Tech 11: 715-727.	
C8	Matsumoto, N. 1984. Isolation and identification of S-2-aminoethyl-L-systeine from Rozites caperta and 2-amino-3-butenoic acid from Rhodophyllus crassipes and their antibacterial activity. Toho Igakkai Zasshi 31: 249-264.	
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C10	Shaul, O. and Galili, G. (1992). Threonine overproduction in transgenic tobacco plants expressing a mutant desensitized aspartate kinase of Escherichia coli. Plant Physiology 100: 1157-1163.	
C11	Vauterin, M., V. Frankard and M. Jacobs. 2000. Functional rescue of a bacterial dapA auxotroph with a plant cDNA library selects for mutant clones encoding a feedback-insensitive dihydrodipicolinate synthase. The Plant J. 21: 239-248.	
C12	Falco SC, et al., Transgenic canola and soybean seeds with increased lysine, Biotechnology (NY) 13(6):577-82, 1995.	
C13	Shaul O, et al., Concerted regulation of lysine and threonine synthesis in tobacco plants expressing bacterial feedback-insensitive aspartate kinase and dihydrodipicolinate synthase, Plant Mol Biol;23(4):759-68, 1993.	
C14	Brinch-Pedersen H, et al., Plant Mol Biol, 32(4):611-20, 1996.	
C15	Karlin et al. (1993) Proc. Natl. Acad. Sci. USA 90:5873-5877 .	
C16	Altschul et al. (1997) Nucleic Acids Res. 25:3389-3402.	
C17	Devereux et al. (1984) Nucleic Acids Res. 12 (1):387-395.	
C18	Silk G.W. and B.F. Matthews, 1997, Plant molecular biology, 33:931-933.	
C19	Cremer J, Treptow C, Eggeling L, Sahm H., Regulation of enzymes of lysine biosynthesis in Corynebacterium glutamicum, J Gen Microbiol. 1988 Dec;134 (Pt 12):3221-9.	
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C21	Laber B, Gomis-Ruth FX, Romao MJ, Huber R, Escherichia coli dihydrodipicolinate synthase. Identification of the active site and crystallization, Biochem J. 1992 Dec 1;288 (Pt 2):691-5.	
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11	<b>NFORMATION</b>	N DI	SCLOSURE	Filing Date	December 23, 2005	
S	TATEMENT B	3Y /	APPLICANT	First Named Inventor	David Hildebrand	
				Art Unit	1638	
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Sheet	3	of	3	Attorney Docket Number	47100-222154	

C26	Shaver, J., Bittel, D., Sellner, J., Frisch, D., Somers, D., Gengenbach, B. 1996 Single-amino acid substitutions eliminate lysine inhibition of maize dihydrodipicolinate synthase. Proc. Natl Acad. Sci. USA, 93, 1962-1966.	
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C28	Written Opinion issued in PCT Application No. PCT/US2004/020039, mailed on February 15, 2005.	

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